

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	23062	L11 and \$34125.apn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/03 11:05
		L11 and \$134125.apn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/03 11:05
		and "34125"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/03 11:03
		L2 and ((dividing or separating or dicing or cutting) with (chip or IC or die)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/03 10:20
		S11 and ((separating or cutting or dicing) with (wafer or circuit or chip or package)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/01/09 18:04
		(valve with ambient)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/03 10:04
L2	1045	(valve with ambient) same pneumatic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/03 10:05
L3	145	L2 and ((integrated near circuit) or IC)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/03 10:08
L4	0	L3 and @ad < "1998"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/03 10:06
L5	18	L3 and @ad < "19981020"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/03 10:06

## EAST Search History

L6	15	L2 and ((dividing or separating or dicing or cutting) with (chip or IC or die))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/03 10:41
L7	2	"5796306".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/03 10:42
L8	2	"5976306".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/03 10:42
L10	1	"652009".apn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/03 11:02
L11	64	amos.in. and actuator	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/03 11:08
L12	0	L11 and "34125"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/03 11:03
L13	0	L11 and "34125"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/03 11:03
L14	1	amos.in. and RE34125	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/03 11:33
L15	8	("5794329" or "5984293" or "6150240" or "5144873" or "5839337" or "5005814" or "5932065" or "6146504").pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/03 11:37
L16	24	(("2373968") or ("3905100") or ("3976288") or ("4497477") or ("4832323") or ("4930759") or ("5067695") or ("5218753") or ("5438740")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/03 11:46
L17	31	(("5,173,766") or ("4,807,504") or ("4,822,015") or ("5,063,800") or ("5,288,061") or ("0154694") or ("1275899") or ("1379724") or ("2,305,339")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/03 12:20

## EAST Search History

L18	0	("(synchroniz\$3 or simultaneous\$2 or unison) with (actuator or pneumatic)") .PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/03/03 12:21
L19	31752	(synchroniz\$3 or simultaneous\$2 or unison) with (actuator or pneumatic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/03 12:22
L20	642	(synchroniz\$3 or simultaneous\$2 or unison) with (actuator and pneumatic)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/03 12:23
L21	364	L20 and @ad < "19981020"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/03 12:23
L22	10	L20 and semiconductor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/03 12:24
S1	2	"6718858".pn. or "6277671".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/01/06 07:09

## EAST Search History

S2	49	(US-5764485-\$ or US-5736862-\$ or US-5893762-\$ or US-5788513-\$ or US-5263583-\$ or US-5479319-\$ or US-5481435-\$ or US-5481436-\$ or US-5489852-\$ or US-5513076-\$ or US-5515241-\$ or US-5625944-\$ or US-5712768-\$ or US-5838060-\$ or US-4152827-\$ or US-4549247-\$ or US-4584627-\$ or US-4908275-\$ or US-4999319-\$ or US-5004520-\$ or US-5006922-\$ or US-5007841-\$ or US-5204616-\$ or US-5222014-\$ or US-5245299-\$ or US-5315481-\$). did. or (US-5359208-\$ or US-5389885-\$ or US-5446407-\$ or US-5532612-\$ or US-5695331-\$ or US-5743748-\$ or US-5757193-\$ or US-5869961-\$ or US-6034423-\$ or US-6153929-\$ or US-6225689-\$ or US-6307755-\$ or US-4012832-\$ or US-4137507-\$ or US-4252390-\$ or US-4278991-\$ or US-4340860-\$ or US-4358175-\$ or US-4380070-\$ or US-4381130-\$ or US-4390220-\$ or US-4398208-\$ or US-4406508-\$). did.	USPAT	OR	ON	2006/01/06 00:45
S3	3222	438/106.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/01/06 07:11
S4	76	S3 and actuator	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/01/06 07:14
S5	0	("5765377548013362959786540014 6701910").PN.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/01/06 07:15
S6	5	("5765337" or "5480133" or "6295978" or "6540014" or "6701910").pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/03/03 10:48
S7	5	("4807504" "4822015" "5063800" "5288061" "5970606").pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/01/06 07:55
S8	28896	(board and chips and integrated) and (cut\$4 or dic\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/01/06 07:57
S9	20948	(board and chips and integrated adj circuit) and (cut\$4 or dic\$3)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/01/06 07:57
S10	8025	S9 and @ad < "19981020"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/01/06 15:02

## EAST Search History

S11	4496	S10 and pin	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/01/06 08:02
S12	1	S11 and subplate	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/01/06 08:00
S13	643	S11 and ((separating or cutting or dicing) with (wafer or circuit or chip or package))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/01/06 08:06
S14	388	S11 and ((separating or cutting or dicing) with (integrated adj circuit or chip))	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/01/06 08:07
S15	6	("2513821"   "3538580"   "3797092"   "3974556").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/06 08:34
S16	23	("3538580").URPN.	USPAT	OR	ON	2006/01/06 08:38
S17	5	tripard.in.	USPAT	OR	ON	2006/01/06 09:45
S18	4	("5839337" or "6146504" or "5005814" or "5932065").pn.	USPAT	OR	ON	2006/01/06 15:01
S19	31	("0892039"   "1986769"   "2129116"   "2156247"   "2169133"   "2669262"   "2766511"   "2803273"   "3762251"   "3818790"   "4031789"   "4187755"   "4579030"   "4748797"   "5397106").PN. OR ("5839337").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/06 10:27
S20	52	(singulat\$3 with (circuit or chip or package)) and (pneumatic with (motor or actuator))	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/06 10:32
S21	12	S20 and @ad < "19981020"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/01/06 10:32
S22	1	"774188".apn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/01/06 11:13
S23	604	438/460.ccls.	USPAT	OR	ON	2006/01/06 15:01
S24	236	S23 and @ad < "19981020"	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/01/06 15:06
S25	0	S24 and pneumat\$5	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/01/06 15:07
S26	0	S24 and pneumatic	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/01/06 15:08

## EAST Search History

S27	236	S24	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/01/06 15:08
S28	42	S24 and dice	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/01/06 15:09
S29	0	S24 and acutator	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/01/06 15:09
S30	5	S24 and actuator	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/01/06 15:09
S31	20	("3004766"   "3690780"   "3809050"   "3811182"   "3976288"   "4138304"   "4521995"   "4597228"   "4625463"   "4808046"   "5029418"   "5445559"   "5451549"   "5527744"   "5605489"   "5618759").PN. OR ("5953590"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/01/06 15:39
S32	0	"919530".apn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/01/09 18:04
S33	4	"919530".ap.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/01/09 18:05
S34	6	"085595".ap.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/01/09 18:07
S35	6	"868930".ap.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2006/01/09 18:07